Kindly replace the Paragraph Beginning at Page 3, Line 32 with the following:

A2

--According to the invention, it has now been found that the Lys-Leu-Val-Phe-Phe (KLVFF) sequence [SEQ ID NO.: 1] in Aß is necessary for polymerization to occur. Peptides incorporating this sequence bind to Aß and are capable of blocking the fibril formation of Aß-1-40 and are therefore potentially useful as drugs.--

Kindly replace the Paragraph Beginning at Page 9, Line 18 with the following:

A3

--Fig. 2B. [SEQ ID NOS.: 1, 2 and 5-38] EVHHQKLVFF and N and C-terminal truncated fragments were synthesized and analyzed for affinity to ^{125}I-labeled Aß-1-40.--

Kindly replace the Paragraph Beginning at Page 9, Line 21 with the following:

A4

--Fig. 2C. [SEQ ID NOS.: 39-43] Each amino acid residue in KLVFF was systematically replaced with Ala and analyzed for affinity to ^{125}I-labeled Aß-1-40.--

Kindly replace the Paragraph Beginning at Page 9, Line 24 with the following:

A5

--Fig. 2D. [SEQ ID NO.: 44] Sensorgram from surface plasmon resonance spectroscopy (BIAcore 2000).--

Kindly replace the Paragraph Beginning at Page 12, Line 5 with the following:

A6

--To investigate if the KLXXF [SEQ ID NO.: 3] motif was required for Aß polymerization, we synthesized Aß-1-28, a well-studied Aß fragment that readily forms amyloid fibrils (D.A. Kirschner, *et al., Proc. Natl. Acad. Sci.* USA 84, 6953-6957 (1987); C.J. Barrow, M.G. Zagorski, *Science* 253, 179-82 (1997); C. Nordstedt, *et al., J. Biol. Chem.* 269, 30773-30776 (1994))) and mutated Aß-1-28 where the KLVFF sequence was substituted with AAVFA [SEQ ID NO. 4] (Aß-1-28^{AAVFA}).--

IN THE CLAIMS:

Kindly add new claims 27-37 as follows: